



## COURSE DESCRIPTION CARD - SYLLABUS

Course name

Project Management

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### Course

Field of study

Engineering Management

Area of study (specialization)

Level of study

First-cycle studies

Form of study

full-time

Year/Semester

2/4

Profile of study

general academic

Course offered in

English

Requirements

compulsory

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### Number of hours

Lecture

15

Laboratory classes

Other (e.g. online)

Tutorials

15

Projects/seminars

15

### Number of credit points

4

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### Lecturers

Responsible for the course/lecturer:

PhD DSc Eng. Magdalena K. Wyrwicka, Prof. PUT

Responsible for the course/lecturer:

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### Prerequisites

Basic of management, microeconomics and mathematics.

### Course objective

Preparation for the role of project manager

### Course-related learning outcomes

Knowledge

Student has expanded and in-depth knowledge in the field of sciences necessary to understand and



describe the issues of organization management, knows the general principles of creating and developing forms of individual entrepreneurship, using knowledge of technology, economics and management, and knows as methods as tools for data collection, processing, selection and information distribution

#### Skills

Student is able to forecast social processes and phenomena (cultural, political, legal, economic) using standard methods and tools in the field of management as well as make a preliminary economic analysis of engineering activities undertaken.

Student is able to analyze proposed solutions to specific management problems and proposes, in this respect, appropriate solutions and can be responsible for own work and jointly implemented tasks, and is ready to comply with the principles of teamwork.

#### Social competences

The student is able to make positive contribution to the preparation of social projects, including legal, economic and organizational aspects, and is aware of the importance and understands the non-technical aspects and effects of engineering activities, including its impact on the environment, and the associated responsibility for decisions.

#### Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

Formative assessment:

based on attendance and activity during classes, results of cognitive tasks solved, and participation in discussions

Summative rating:

- result of written test (lecture)
- independent performance of the indicated cognitive task (project), its presentation in the group forum
- summary of partial results from exercises.

#### Programme content

1. The place and role of projects in management,
2. Types of projects,
3. A typical project run (initiating, setting requirements, defining goals and identifying conditions, feasibility analysis, risk analysis, task structuring, resource planning and workflow planning, budgeting, process control, project closure).
4. Organization of project team
5. IT support



6. Practical problems of the project manager

**Teaching methods**

Problem-based lecture, study of literature, project - solving cognitive tasks with IT support, auditorium exercises.

**Bibliography**

Basic

A guide to the Project Management Body of Knowledge (PMBOK guide) Project Management Institute 2018

Meredith Jack R. , Mantel Samuel J. Jr. , Shafer Scott M., Project Management, 10th Edition, Wiley December 2017

Additional

Hobbs B., Besner C., Projects with internal vs. external customers: An empirical investigation of variation in practice, in: International Journal of Project Management, Volume 34, Issue 4, May 2016, Pages 675-687

Laursen M., Svejvig P., Taking stock of project value creation: A structured literature review with future directions for research and practice, in: International Journal of Project Management, Volume 34, Issue 4, May 2016, Pages 736-747

Svejvig P. Andersen P., Rethinking project management: A structured literature review with a critical look at the brave new world, in: International Journal of Project Management, Volume 33, Issue 2, February 2015, Pages 278-290

**Breakdown of average student's workload**

	Hours	ECTS
Total workload	75	4,0
Classes requiring direct contact with the teacher	45	2,0
Student's own work (literature studies, preparation for laboratory classes/tutorials, preparation for tests/exam, project preparation) <sup>1</sup>	30	2,0

<sup>1</sup> delete or add other activities as appropriate